



Chairperson: Bob Wyatt, NW Natural
Treasurer: Fred Wolf, Legacy Site Services for Arkema

November 2, 2011

Lori Cora
US EPA
1200 Sixth Avenue, Suite 900
ORC-158
Seattle, Washington 98101

Chip Humphrey
US EPA
805 SW Broadway, Suite 500
Portland, Oregon 97205

Vinh Pham
Bank of the West
PO Box 1121
San Jose, California 95108-1121

RE: Portland Harbor Superfund Site RI/FS Trust Fund
Lower Willamette Group
Claim Certificate LWG-025

Dear Ms. Cora, Mr. Humphrey, and Mr. Pham;

At the request of the Lower Willamette Group, enclosed is Claim Certificate LWG-025 for the Portland Harbor Superfund Site Remedial Investigation and Feasibility Study Trust Fund. The purpose of the Claim Certificate is to request a payment from the Trust Fund for work performed under the US Environmental Protection Agency Settlement and Order as part of Section 26 of the Administrative Order on Consent for the Portland Harbor Superfund Site.

The total for Claim Certificate LWG-025 is \$161,128.32 with a payment to Anchor/QEA. The work detailed in Claim Certificate LWG-025 was performed by Anchor/QEA during August 2011. The attached Claim Certificate includes a summary of the payee amount, a description of the tasks performed, and a summary table from the payee.

If there are any questions regarding this Claim Certificate, please contact either Hans Feige of Feige & Associates at 503-543-9700 or Fred Wolf of Legacy Site Services at 253-535-7256.

Sincerely;

A handwritten signature in black ink, appearing to read "Hans Feige", is written over a horizontal line.

Hans Feige
Feige & Associates, Inc.

Cc: Kelly Madalinski; Port of Portland
Bob Wyatt; Northwest Natural Gas
Kim Cox; City of Portland
Fred Wolf; Legacy Site Services
David Ashton; Port of Portland
Jennifer Woronets; Anchor QEA

Claim Certificate LWG-025
November 2, 2011

Certification

The following invoice is for Remedial Investigation and Feasibility Study activities performed at the Portland Harbor Superfund Site in accordance with the Administrative Settlement Agreement and Order on Consent for Remedial Investigation/Feasibility Study, Docket Number CERCLA 10-2001-0240. The purpose of this invoice is to request the Trustee to make a payment from the Trust Fund established by the Lower Willamette Group to pay for work performed for the Site. This invoice is for work that has been generally discussed with the US Environmental Protection Agency (EPA).

Summary of Activities

Anchor/OEA (see attached Table 1)

1) Sediment Transport Analysis	
HST Hybrid Model Runs	\$13,782.40
Wind Wave and Propwash Analysis Complete	\$1,144.00
2) Construction Impacts Evaluation	
Final Impacts Evaluation (detailed alts)	\$16,484.34
3) Recontamination and Natural Recovery Evaluation	
Detailed Model Runs	\$35,789.80
Sequencing Evaluation	\$7,968.90
4) Feasibility Study Report	
Develop Areas and Volumes	\$6,006.00
Write Upfront Sections (Source, RAOs, PRGs, SMAs)	\$16,241.84
Detailed Evaluation of Alts	\$44,421.06
Appendices	\$19,289.98
Total	\$161,128.32
Certificate Total	<u>\$161,128.32</u>

Descriptions of Activities

- 1) Sediment Transport Analysis tasks included drafting report for the FS Appendix, flood flow simulations, and revised propwash and wind/wave stability analysis.
- 2) Construction Impacts Evaluation tasks included refined dredge modeling and evaluation of habitat construction impacts.
- 3) Recontamination and Natural Recovery Evaluations tasks included revised alternative modeling runs.
- 3) Feasibility Study Report tasks included revised areas and volumes development, alternatives development and screening revisions, and development of early sections and appendices for the Draft FS Report.

Action Required

This certificate is being sent to both the EPA Attorney and the EPA Project Coordinator at their respective addresses in both electronic and print copy. The Trust details that if the EPA objects to any payment request in the Claim Certificate, the EPA must provide the LWG an Objection Notice within 30

Claim Certificate LWG-025

November 2, 2011

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days of the date in which this Certificate was delivered. If, after 30 days, no objection has been received, the payment shall be made to the LWG from the Trust by the Trustee.

Certification Signature

A handwritten signature in black ink, appearing to be 'Bob Wyatt', with a long horizontal line extending to the right.

Bob Wyatt
LWG Chairperson
Northwest Natural

TABLE 1

Lower Willamette Group
Anchor OEA Progress Report - August 2011

Anchor OEA 2011 FS Budget Estimates as of November 30, 2010
December 2010 through Draft Feasibility Study Submittal in 2011

Nn.	Task	SubTask	Total Estimate 2011 Budget	Previous Amount Spent To Date	Amount Spent This Month	Amount Spent To Date	Remaining Budget	Percent of Budget Spent	Percent of Task Work Complete
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4	Sediment Transport Analysis	HST Erosional Areas/Cap Stability Runs HST Hybrid Model Runs Wind wave and Propwash Analysis Complete Combined Stability Analysis							
4a									
4b									
4c									
4d									
4e									
4f									
4g									
4h									
4i									
4j									
4k									
4l									
4m									
4n									
4o									
4p									
4q									
4r									
4s									
4t									
4u									
4v									
4w									
4x									
4y									
4z									

\$13,782.40
\$1,144.00

8	Construction Impacts Evaluation	Preliminary impacts evaluation (alts screening) Final impacts evaluation (detailed alts)							
8a									
8b									
8c									
8d									
8e									
8f									
8g									
8h									
8i									
8j									
8k									
8l									
8m									
8n									
8o									
8p									
8q									
8r									
8s									
8t									
8u									
8v									
8w									
8x									
8y									
8z									

\$16,484.34

11	Recontamination & Natural Recovery Evaluation	Final Model Calibration Preliminary Model Runs Detailed Model Runs Sequencing Evaluation							
11a									
11b									
11c									
11d									
11e									
11f									
11g									
11h									
11i									
11j									
11k									
11l									
11m									
11n									
11o									
11p									
11q									
11r									
11s									
11t									
11u									
11v									
11w									
11x									
11y									
11z									
12	Feasibility Study Report	Develop Areas and Volumes Write UpFront Sections (Source, RAOs, PRGs, SMAs) Identification and Screening of Tech. Development and Screening Alts Detailed Evaluation of Alts Write End Sections (Conclusion, Flexible Alts, Sequence) Appendices Revise per LWG Comments							
12a									
12b									
12c									
12d									
12e									
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\$35,789.80
\$7,968.90

\$6,006.00

\$16,241.84

\$44,421.06

\$19,289.98

TOTAL: \$161,128.32